



Australian Government

Assessment Requirements for PMBTECH601E Develop a new product

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBTECH601 Develop a new product.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- develop at least one new product to meet specifications and customer and stakeholder needs, including the production of detail and assembly drawings of all components of the new product.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- impact of different polymer materials, their additives and the rheological, heat and other effects of processing on design of a new product
- major polymer types and common additives (including reinforcing) and their suitability for different applications
- all standard processes and their suitability for different product or market applications
- material and product testing procedures
- techniques for producing technical and engineering drawings, including CAD and freehand sketching
- the impact of the polymerisation process on the polymer process
- principles of operation of all relevant equipment and processes
- effects of variations in process, conditions and materials on optimisation and final properties of the product
- organisational procedures relevant to the work environment or job role
- hazards that may arise in the job or work environment and:
 - their possible causes
 - potential consequences
 - appropriate risk controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>